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**Grilli et al.**

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(54) **METHODS FOR FORWARD ERROR CORRECTION CODING ABOVE A RADIO LINK CONTROL LAYER AND RELATED APPARATUS**

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(52) **U.S. Cl.**  
USPC ..... **714/776; 714/775; 714/774**

(58) **Field of Classification Search**  
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See application file for complete search history.

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(57) **ABSTRACT**

Transmission techniques are provided that improve service continuity and reduce interruptions in delivery of content that can be caused by transitions that occur when the User Equipment (UE) moves from one cell to the other, or when the delivery of content changes from a Point-to-Point (PTP) connection to a Point-to-Multipoint (PTM) connection in the same serving cell, and vice-versa. Such transmission techniques enable seamless delivery of content across cell borders and/or between different transmission schemes such as Point-to-Multipoint (PTM) and Point-to-Point (PTP). Mechanisms for adjusting different streams and for recovering content from each data block during such transitions are also provided so that data is not lost during a transition. In addition, mechanisms for realigning data during decoding at a receiving terminal are also provided.

**12 Claims, 24 Drawing Sheets**

